

DF Rudder Servo Options

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Model	KM1203MD	DFM601	NXT-90	HS-5070mh	HS-5055MG	TGY-210DMH	SH 0256	KM0940MD	HS-55	TSS-10MG	CS929MG	HXT-900
Manufacturer / Supplier	Kingmax	Dragon Sailing Nth America	Nexatec	HiTec	HiTec	Turnigy	Savox	Kingmax	HiTec	Turnigy	Turnigy	Hextronik
Length (mm)	23	23	21.5	23.6	22.8	23	22.8	23.8	22.8	23.1	11.5	21
Width (mm)	12	12	13.1	11.6	11.6	12	12	11.5	11.6	12	11.5	12
Gear Type	Metal & Bearings	Metal & dual bearings	Metal & Bearings	Metal & Bearings	Metal (no bearings)	Metal & Bearings	Plastic & Bearings	Metal (no bearings)	Nylon	Metal (no bearings)	Metal	Plastic (no bearings)
Spline Count	n/a	n/a	n/a	23T	15T	25T	21T	4 mm	15T	15T	21	
Motor Type	Brushed Coreless	Brushed Coreless	Brushed Coreless	Brushed Cored	Brushed Coreless	Brushed Coreless	Brushed	Brushed	Brushed Coreless	Brushless	Coreless	Brushed Coreless
Potentiometer	Direct Drive	Direct Drive	n/a	n/a	n/a	n/a	n/a	Direct Drive	n/a	n/a	Direct drive	n/a
Servo ArmType	n/a	Metal**	n/a	n/a	Nylon	Plastic	Plastic	n/a	Nylon	Nylon	Nylon	Nylon
Casing	Aluminium	Aluminium	n/a	Plastic	Plastic	n/a	Aluminium & Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Waterproof	No	Yes	No	No	No	No	No	No	No	No		No
Operating Voltage	5.0 - 8.4V	5.0 - 8.4 V		6.0 - 7.4V	4.8 - 6.0V	4.8 - 6.0V	4.8 - 6.0V	4.8 - 6.0V	4.8 - 6.0V	4.8 - 6.0V	4.8 - 6.0V	4.8 - 6.0V
Digital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No
Operating Speed at 6 volts	0.13sec/60 degrees	0.11 sec/60 degrees	0.15sec/60 degrees	0.12sec/60 degrees	0.20sec/60 degrees	0.13sec/60 degrees	0.16sec/60 degrees	0.12sec/60 degrees	0.17sec/60 degrees	0.12sec/60 degrees	0.12sec/60 degrees	0.12sec/60 degrees
Torque at 6 volts	7.4 kg.cm	7.4 kg.cm	5.3 kg.cm	3.7 kg.cm	1.6 kg cm	3.9 kg.cm	4.6 kg.cm	4.5 kg.cm	1.3 kg cm	2.5 kg.cm	2.0 kg cm	
Weight	20.3 g	20.3 g	22.3g	14.2g	9.5g	16.0g	15.8g	13.8 g	8.0g	10.0g	12.5	9.1g
Features	Programable	** Stock Servo arm refit required	Programable	Programable	Programmable		Programable	Programmable				
Price Aust \$ (Excl shipping)	\$ 62.50	\$ 54.95	\$ 54.50	\$ 50.00	\$ 42.97	\$ 35.53	\$ 33.00	\$ 24.50	\$ 24.23	\$ 10.94	\$ 5.84	\$ 5.39

Prices will change with Currency variations

Motor Types: Brush Coreless = lighter, more responsive. Brushless - higher power/torque